LIST OF PUBLICATIONS

Professor dr. eng. **Anca ȘIPOȘ**

A. Ph.D.

1. In June **2011**, in fundamental domain: Engineering Sciences, doctoral domain: Automation, Professor dr. eng. Emil CEANGĂ scientific coordinator, ”Dunărea de Jos” University of Galați, Faculty of Automatics, Computers, Electrical Engineering and Electronics. The thesis title was: Contributions regarding the modeling and automation of the alcoholic fermentation process.

The fields of exams were: Complements of systems theory; Modeling methodologies and techniques; Methods, algorithms and design approaches of automation systems.

The fields of papers were: The present stage of fermentation processes' modeling and automation; Contributions at the alcoholic fermentation process's modeling; Contributions at the alcoholic fermentation process's automation.

2. In July **1999**, in fundamental domain: Engineering Sciences, doctoral domain: Chemical Engineering, Professor dr. eng. Victor BULACOVSCHI scientific coordinator, "Gheorghe Asachi" Technical University of Iași, Faculty of Industrial Chemistry. The thesis title was: Researches regarding the membranes with mixed functions (plane, tubular, ion exchanges) obtaining.

The fields of exams were: Polymer-analogue reactions; Technologies for obtaining the membranes with mixed functions; Transfer processes through membrane.

The fields of papers were: Characterisation methods of membranes with mixed functions; The optimisation of transfer processes through membrane.

B. Speciality books and courses

1. Șipoș Anca; Optimizarea proceselor tehnologice : aplicații în industria alimentară (*Optimization of the technological processes: aplications in food industry*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 978-606-12-1908-7; **2021**; pg.200.

2. Șipoș Anca; Matlab-Simulink : Interfețe grafice - exemple și aplicații (*Graphical interfaces - examples and aplications*); "Lucian Blaga" University from Sibiu Publishing House; 978-606-12-1804-2; **2020**; pg.145.

3. Șipoș Anca; MATLAB-Simulink Exemple și aplicații în ingineria produselor alimentare (*Examples and aplications in food industry*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 978-606-12-1707-6; **2019**; pg.200.

4. Șipoș Anca; Matlab - aplicații în inginerie (*aplications in engineering*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 978-606-12-1605-5; **2018**; pg.150.

5. Anca Șipoș; Chapter 8: Current State and Perspective in the Models Applicable to Oenology in the book edited by António Manuel Jordão and Fernanda Cosme; Grapes and Wines - Advances in Production, Processing, Analysis and Valorization; INTECH; ISBN 978-953-51-3834-1, Print ISBN 978-953-51-3833-4, Published: February 28, **2018**; pg.143-169; DOI: 10.5772/intechopen.71711

6. Anca Șipoș, Gheorghe Dan Pasat, Vasile Mircea Cristea, Elena Mudura, Arpad Lucaci-Imre, Dorina Brătfălean; Modelarea, simularea si conducerea avansată a bioproceselor fermentative, speciality book (*Modelling, simulation and advanced automation of the fermentative bioprocesses*); "Lucian Blaga" University from Sibiu Publishing House; Vol. II, ISBN 978-973-739-949-6; ISBN 978-606-12-0668-1; **2014**; pg. 180.

7. Anca Șipoș, Gheorghe Dan Pasat, Vasile Mircea Cristea, Elena Mudura, Arpad Lucaci-Imre, Dorina Brătfălean; Modelarea, simularea si conducerea avansată a bioproceselor

fermentative, speciality book (*Modelling, simulation and advanced automation of the fermentative bioprocesses*); "Lucian Blaga" University from Sibiu Publishing House; Vol. I, ISBN 978-973-739-949-6, ISBN 978-973-739-950-2, **2014**.; pg. 218.

8. **Şipoş Anca**; Modelarea şi automatizarea proceselor tehnologice din industria alimentară, course (*Modeling and automation of the technological processes from food industry*); "Lucian Blaga" University from Sibiu Publishing House; Vol.II; ISBN 978-973-739-879-6, **2009**, pg. 200.

9. **Şipoş Anca**; Modelarea şi automatizarea proceselor tehnologice din industria alimentară, course (*Modeling and automation of the technological processes from food industry*); "Lucian Blaga" University from Sibiu Publishing House; Vol.I; ISBN ISBN 978-973-739-879-6, **2009**, pg. 201.

10. Mironescu Ion-Dan; **Şipoş Anca**; Grafică computerizată – curs aplicativ, course and applications (*Computer Aided Design*); "Lucian Blaga" University from Sibiu Publishing House; ISBN (10) 973-739-254-X, ISBN (13) 978-973-739-254-1; **2007**, pg. 125.

11. **Şipoş Anca**; Programare şi limbaje de programare – curs aplicativ, course and applications (*Computers programming and languages*); "Lucian Blaga" University from Sibiu Publishing House; ISBN (10) 973-739-254-X, ISBN (13) 978-973-739-254-1; **2006**, pg. 125.

12. **Şipoş Anca**; Sisteme industriale de calcul – curs aplicativ, course and applications (*Industrial systems design*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 973-651-809-4; **2004**, pg. 170.

13. **Şipoş Anca**; Modelarea matematică şi automatizarea proceselor din industria alimentară, course (*Mathematical modeling and food industrial processes automation*); "Lucian Blaga" University from Sibiu Publishing House; Vol. II; ISBN 973-651-129-4, 973-651-711-X, **2003**, pg. 200.

14. **Şipoş Anca**; Utilizarea calculatorului-curs aplicativ, course and applications (*Computers-software using*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 973-651-690-3; **2003**, pg. 170.

15. Rădulescu Gh., Moise Ioana Maria, **Şipoş Anca**; Membrane: clasificare, caracteristici, proprietăţi, speciality book (*Membranes: classification, characteristics, properties*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 973-651-077-8; **2000,** pg.150.

16. **Şipoş Anca**, Mironescu I. D.; Sisteme industriale de calcul, applications (*Industrial systems design*); "Lucian Blaga" University from Sibiu Publishing House biu; ISBN 973-651-118-9; **2000,** pg.90.

17. **Şipoş Anca**; Modelarea matematică şi automatizarea proceselor din industria alimentară, course (*Mathematical modeling and food industrial processes automation*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 973-651-129-4; Vol. I; **2000,** pg. 200.

18. **Şipoş Anca**, Mironescu I.D.; Utilizarea calculatorului, applications (*Computers-software using*); "Lucian Blaga" University from Sibiu Publishing House; ISBN 973-651-016-6; **1999**, pg.84.

C. Scientifically papers/studies in journals

a) In ISI Th. R. scientifically journals and proceedings

1. Adrian Florea, **Anca Sipos** and Melisa-Cristina Stoisor; Applying AI Tools for Modeling, Predicting and Managing the White Wine Fermentation Process; *Fermentation*; vol. 8(4), 137, pp. 1-22; 2022; https://doi.org/10.3390/fermentation8040137

2. Pompilica Iagăru, Pompiliu Pavel, Romulus Iagăru, **Anca Şipoş**; Using drone technology for preserving the economic sustainability of the agricultural holdings; International Journal of Advanced Statistics and IT&C for Economics and Life Sciences; vol. 11 (1); pg. 85-90; **2021**; https://doi.org/10.2478/ijasitels-2021-0005

3. Anca Sipos, Adrian Florea, Maria Arsin and Ugo Fiore; Using Neural Networks to Obtain Indirect Information about the State Variables in an Alcoholic Fermentation Process; *Processes*; vol. 9(1); pg. 74-92; **2021**; https://doi.org/10.3390/pr9010074

4. Anca Sipos; A Knowledge-Based System as a Sustainable Software Application for the Supervision and Intelligent Control of an Alcoholic Fermentation Process; *Sustainability*; vol. 12 (23); pg. 10205-10221; **2020**; https://www.mdpi.com/2071-1050/12/23/10205

5. Anca Sipos; Sustainable Method Using Filtering Techniques for a Fermentation Process State Estimation; *Sustainability*; vol. 12 (17); pg. 7105-7119; **2020**; https://doi.org/10.3390/su12177105

6. M. Faur, **A. Sipos**, C. Bungau and C.I. Gherghea; Overcoming the barriers of consignment stock policy implementation in a manufacturing company; Annual Session of Scientific Papers - IMT Oradea 2020, IOP Conf. Series: Materials Science and Engineering; 2020;https://imt.uoradea.ro/conference/Proceedings_2020.pdf, https://iopscience.iop.org/issue/1757-899X/898/1; DOI: 10.1088/1757-899X/898/1/012026

7. Anca Sipos and Mariana Liliana Pacala; Simulation-based learning, an essential tool for control process in food engineering education; 9th Balkan Region Conference on Engineering and Business Education and 12th International Conference on Engineering and Business Education; Sibiu; pg. 383-389; **2019**; https://content.sciendo.com/view/journals/cplbu/cplbu-overview.xml?tab_body=latestIssueToc-68822

8. Mariana-Liliana Păcală, **Anca Sorina Şipoş**, Lucica Brudiu and Lidia Favier; Teaching in higher education: students' deep learning of brewing by labwork; 9th Balkan Region Conference on Engineering and Business Education and 12th International Conference on Engineering and Business Education; Sibiu; pg. 198-205; **2019**; https://content.sciendo.com/view/journals/cplbu/cplbu-overview.xml?tab_body=latestIssueToc-68822

9. Anca Sipos; The alcoholic fermentation process temperature automatic control; 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) ; 24-26 May **2018**; Cluj-Napoca, Romania; DOI: 10.1109/AQTR.2018.8402740

10. Anca Şipoş and Mariana Liliana Păcală; Teaching process control in food engineering: dynamic simulation of a fermentation control process; Balkan Region Conference on Engineering and Business Education; vol. 3; issue 1; pg. 313–319; **2017**; DOI: https://doi.org/10.1515/cplbu-2017-0041

11. Anca Sipos and S.P. Agachi; Direct sensitivity analysis of a white wine alcoholic fermentation process; *Studia Univ. Babes-Bolyai, Seria Chemia*; *Seria Chemia*; vol. 60(LX)(4), pg. 125-141; **2015**, factor de impact relativ: 0.191.

12. **Anca Sipos** and Arpad Imre-Lucaci; Statistical processing and dynamic modeling of an alcoholic fermentation process; *Studia Univ. Babes-Bolyai, Seria Chemia*; vol. LIX; no. 3; pg. 17-28; 2014, RIF from **2014**: 0,191.

13. I. N. Ranga and **Anca Sipos**; Statistical processing and sensory analysis used in order to obtain the acid dairy products with superior quality; 13th International Multidisciplinary Scientific GeoConference SGEM 2013; 16-22 June 2013; Albena Co.; Bulgaria; Nano, Bio and Green-Technologies for a Sustainable Future; pg. 241-247; **2013**; ISI proceedings.

14. Olga Draghici and **Anca Sipos**; The study of changes that occur during the meat fermentation process using the statistical models and thermal analysis13[th] International Multidisciplinary Scientific GeoConference SGEM2013; 16-22 June 2013; Albena Co.; Bulgaria; Nano, Bio and Green-Technologies for a Sustainable Future; pg. 77-84, **2013**; ISI proceedings.

15. Anca Sipos, S.P. Agachi, X. M. Meyer and P. Strehaiano; Batch fermentation process: modeling and direct sensitivity analysis; *Acta Alimentaria*; vol. 39(2), pg. 222-233; **2010**, RIF: 0,3079; IRS: 0,28758.

16. V. M. Cristea, A. L. Imre, **Anca Sipos**, Dorina Bratfalean and S. P. Agachi; Artificial neural networks used for the simulation of the batch fermentation bioreactors; *Studia Univ. Babes-Bolyai, Seria Chemia*; Tom I, pg.87-94; **2009**, RIF from 2010: 0.231.

17. Anca Sipos and I. D. Mironescu; Collaborative learning environment for bioprocess control; 5th Balkan Region Conference on Engineering and Business Education & 2nd International Conference on Engineering and Business Education Sibiu, Romania, 15-17 October, pg.595-598; **2009**; ISI proceeding.

18. Anca Sipos, X. M. Meyer and P. Strehaiano; Mathematical description of a batch fermentation process; *Revista de Chimie (Chemical Revue)*; vol. 58 (8); pg.838-843; **2007**, RIF: 0,3089, IRS: 0,09274.

19. Anca Sipos, X. M. Meyer and P. Strehaiano; Development of a non-linear, dynamic mathematical model for the alcoholic fermentation; *Acta Alimentaria*; vol.36(4); pg. 429-438; **2007**, RIF: 0,28419; IRS: 0,26923.

20. Rădulescu Gh., **Şipoş Anca**, Szabo S., Şipoş V., Moise Maria Ioana; Szentgiorgy P.; Obţinerea de membrane anionitice eterogene; *Revista de Chimie (Chemical Revue)*; 5-6; vol. 40; pg. 511-512; **1990** (was in ISI evaluation process).

b) In journals indexed in Chemical Abstract

1. Lengyel Ecaterina, Tiţa O., Oprean Letiţia, Gaspar Eniko, Şipos **Anca;** Practical considerations regarding the physiological active state and the autolized one of the *Saccharomyces bayanus* cultures isolated from Tarnave and Sebes-Apold wineyard; *Annals of the Romanian Society for Cell Biology*; vol. 16 (1); pg. 283-285; **2011**.

2. M. Ognean, Claudia-Felicia Ognean, **Anca Sipos** and I. Danciu; The Effects of Several Commercial Xylanases on Viscosity and Pentosans Content of Wheat Flours Extracts; *Acta Univ. Cibin., Seria F Chemia*; vol. 11(2); pg. 69-77; **2008**.

3. Anca Sipos and M. Ognean; The bakery products traceability; *Acta Univ. Cibin., Seria F Chemia*; vol. 9(2); pg. 99-106; **2006**.

4. Anca Sipos and Olga Draghici; The traceability of food and information's chains in meat industry; *Acta Univ. Cibin., Seria F Chemia*; vol. 9(2); pg. 107-116; **2006**.

5. Claudia Felicia Ognean, V. Jâşcanu, **Anca Şipoş**, Neli Darie and M. Ognean; Nutritional and Technological Studies about Using Cellulose Derivatives in Obtaining Low Calories Bread; *Acta Univ. Cibin., Seria F Chemia*; vol. 9(2); pg. 85-97; **2006**.

6. Şipoş Anca; Cationic exchange membrane. Obtaining process, characterization and mass transport through membrane (II); *Acta Univ. Cibin.; Seria F Chemia*; vol. 5 (1); pg. 75-83; ISSN 1221-4981; AUCSC4 (132696); **2002**.

7. Şipoş Anca; Cationic exchange membrane. Obtaining process, characterization and mass transport through membrane (I); *Acta Univ. Cibin.; Seria F Chemia*; vol. 4 (2); pg. 15-24; ISSN 1221-4981; AUCSC4 (132696); **2001**.

8. Şipoş Anca and Popa Karin; Exchange membrane resistance at temperature: obtaining process, characterization and mass transport through membrane (II); *Acta Univ. Cibin.; Seria F Chemia*; vol. 2 (1); pg. 23-32; ISSN 1221-4981; **2000**.

c) In journals reconised by the Romanian organism: National Council of Scientifically Research from Academic Education (CNCSIS)

1. Oprean, L., Barbu, H., **Şipoş, A.,** Bratu, I.; Influence of Acidity on the Growth of Wine Yeast Strains and Quality of Wine; *Buletinul Univ. de Ştiinţe Agricole şi Med. Vet. Cluj Napoca (Journal of the University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca) , Seria Agricultură (Agricultural Series)*; vol. 55-56; pg 285; ISSN 1454-2382; **2001**.

2. Şipoş Anca, Rădulescu Gh., Debu Marieta; Exchange membrane resistance at temperature: obtaining process, characterization and mass transport through membrane (I); *Acta Univ. Cibin.; Seria F Chemia*; vol. 1 (1); pg. 61-70; ISSN 1221-4981; **1999**.

3. Nacu N., **Şipoş Anca**, Jiteanu Carmen; A waste heat recovery situation using organic Rankine cycle. The algorithm and results for the thermal calculus of an organic fluid turbine; *Acta Univ. Cibin.*; *Seria Tehnică B*; vol. XXXIV; pg. 181-192; ISSN 1221-4949; **1999**.

4. Deneş C., **Şipoş Anca**; Fenomene fizico-chimice specifice prelucrării prin eroziune electrică cu electrod filiform (Physically-chemical specifically phenomena by electrical erosion transformation with a filiform electrode); *Acta. Univ. Cibin.; Seria Tehnică B*; Vol. XXXIII; pg. 115-120; ISSN 1221-4949; **1998**.

d) Papers in Romanian and aboard journals

1. Oprean, L., Tiţa, O., Tiţa, M., **Şipoş, A.**; Criterii de evaluare tehnico-economice a proceselor biotehnologice (Technical-economical evaluation criteria of the biotechnological processes); *Economie & Finanţe (Economy&Finances)*; Chişinău – Sibiu; nr. 1(7), pg. 56-65, **2002**.

2. **Şipoş Anca**, Rădulescu Gh., Asandei N.; The simulation of transport through membrane; *Acta Univ. Cibin.*; *Seria E Tehnologii în industria alimentară (Technologies in food industry)*; vol. III (2); pg. 127-134; ISSN 1221-4373; **1999**.

3. Novetschi I., **Şipoş Anca**, Spânu Simona, Novetschi Cristina, Cutean Laura, Siman E., Sanislau A.; Geographical and demographical study aboute the efficiency of multilevel distribution system in the promotion of vitamin C extract from wild roses*; Acta Univ. Cibin.*; *Seria E Tehnologii în industria alimentară (Technologies in food industry)*; vol. I (2); pg. 70-79; ISSN 1221-4373; **1997**.

4. Novetschi I., **Şipoş Anca**, Georgescu Cecilia, Mironescu I.D., Novetschi Cristina, Sabliov Cristina; Optimization of flavouring of refreshing drinks by computer aided sensory analysis; *Acta Universitatis Cibiniensis*; *Seria E Tehnologii în industria alimentară (Technologies in food industry)*; vol. I (2); pg. 59-69; ISSN 1221-4373; **1997**.

5. Rădulescu Gh., **Şipoş Anca**, Szabo S., Şipoş V., Moise Maria Ioana; Szentgiorgy P.; Obţinerea de membrane anionitice eterogene (Obtaining of the heterogeneous inorganic membranes); Ştiinţa Moderna şi Energia (Modern Science and Energy); vol. VIII; pg. 369; **1989**.

D) Scientifically papers published in volumes of international conferences and symposiums

1. Anca Sipos, V. Jascanu; Non-linear mathematical model and advanced control of a distillation process with reduced energy consumption; The 16th International Congress of Chemical and Process Engineering; CHISA 2002; Praha; Czech Republic; **2002**.

2. L. Oprean, **Anca Sipos**, V. Nederita; Influence of the yeast autolysate upon the multiplication of some industrial yeast strains; The 16th International Congress of Chemical and Process Engineering; CHISA 2002; Praha; Czech Republic; **2002**.

3. L. Oprean, **Anca Sipos**, M. Tanase; Influence of the infrared radiation upon the microorganisms with implications in the food industry; The 16th International Congress of Chemical and Process Engineering; CHISA 2002; Praha; Czech Republic; **2002**.

4. V. Jascanu, **Anca Sipos**; Mathematical model for plate heat exchangers design, used in food industry; HUN-Pra-PARTEC International Conference on Practical aspects of Particle Technology; Budapest; Hungary; **2001**.

5. Anca Sipos, V. Jascanu; Non-linear mathematical model for fermentation refined alcohol obtaining process; HUN-Pra-PARTEC International Conference on Practical aspects of Particle Technology; Budapest; Hungary; **2001**.

6. Jascanu V., **Sipos Anca**; The simulation of the accelerate fermentation process of the malt must in uni-TANK; nr. 1279; 14th International Congress of Chemical and Process Engineering; CHISA 2000; Praha; Czech Republic; **2000**.

E) Scientifically papers published at volumes of national and international conferences and symposiums

1. Anca Şipoş, Letiţia Oprean, Ecaterina Lengyel, Eniko Gaspar; Modelarea statistică a parametrilor monitorizaţi la apele uzate industriale de la diferiţi agenţi economici din municipiul Sibiu (Statistical modelling of the waste watery surveillance parameters of different industrial plants from Sibiu); Lucrările Simpozionul cu tema: "Perspective în biotehnologia românească susţinute prin rezultatele obţinute în cadrul Programului CEEX - BIOTECH Modulul 1" (Scientific symposium with title: Perspectives in Romanian biotechnologies sustain by the results obtained in the CEEX research program); 24-26 October; pg. 45-46; ISBN 978-973-744-088-4; **2007**.

2. Şipoş Anca, Oprean Letiţia; Model matematic al produselor de metabolism elaborate de drojdii industriale (Mathematical model of the metabolism products framed by the industrial yeasts); A 2-a Conferinţă Naţională de Ecosanogeneză (The 2nd edition of National Conference in Eosanogenesis); Braşov; 26-27 May **2000**.

3. Jâşcanu V., **Şipoş Anca,** Mironescu I.D.; Model matematic pentru fermentarea primară a mustului de bere în tancuri cilindro-conice (Mathematical model for primary fermentation of beer must in cylindrical-conic tanks); Lucrările Sesiunii ALTEXIM-I Sibiu (Scientific symposium from Sibiu, Faculty of Textile Technologies and Food Industry); vol. IV; pg. 67-72; ISBN 973-9280-96-X; **1998**.

4. Coman Diana, Grigoriu Aurelia, **Şipoş Anca**; Optimizarea tratamentelor ulterioare vopsirii prin aplicarea produselor tip Ponilit (Optimization of the latest treatments of colouring process applied on the Polinit products); Lucrările Sesiunii ALTEXIM-I Sibiu (Scientific symposium from Sibiu, Faculty of Textile Technologies and Food Industry); vol. I; pg. 361-366; ISBN 973-9280-96-X; **1998**.

5. Danciu I., **Şipoş Anca**, Mironescu I.D.; Optimizarea amplasării utilajelor într-o secţie de măciniş (The optimization of the plants' layout in a grist section); Sesiunea de Comunicări Ştiinţifice Universităţii "Aurel Vlaicu" din Arad (The Scientifical Simposium of "Aurel Vlaicu" University of Arad); vol. V; ISBN 973-98365-0-X; ISBN 973-98365-5-0; **1997**.

6. Jâşcanu V., **Şipoş Anca**, Cojocaru F., Stanciu S.; Schimbătoare de căldură cu plăci (elemente de calcul şi automatizare) (Heat exchangers with plates (design elements and automation)); Sesiunea de Comunicări Ştiinţifice Universităţii "Aurel Vlaicu" din Arad (The Scientifical Simposium of "Aurel Vlaicu" University of Arad); vol. 9; pg. 249-254; ISBN 973-97708-0-0; **1996**.

7. Jâşcanu V., **Şipoş Anca**, Stanciu S.; Simularea procesului de fermentaţie accelerată în uni-Tank (The simulation of the accelerate fermentation process in uni-Tank); Sesiunea de Comunicări Ştiinţifice a Universităţii "Aurel Vlaicu" din Arad (The Scientifical Simposium of "Aurel Vlaicu" University of Arad); vol. 9; pg. 182-187; ISBN 973-97708-0-0; **1996**.

8. Rădulescu Gh., Şoldea V., **Şipoş Anca**, Moise Maria Ioana; Tratament şi metode de recuperare a unor componenţi din apele reziduale folosind tehnici de membrană (Treatment and recovery methods of some components from waste watery used the membrane techniques); al 11-lea Simpozion Internaţional de Celuloză (The 11th International Simposium of Cellulose); Chimie şi Tehnologie (Chemistry and Technology) Iaşi; **1995**.

9. Rădulescu Gh., **Şipoş Anca**, Szabo S., Şipoş V., Moise Maria Ioana; Szentgiorgy P.; Obţinerea de membrane schimbătoare de ioni omogene (Obtaining of homogeneous ions exchange membranes); Congresul Naţional de Chimie (The Chemical National Congress); 24 September; Bucharest; **1988**.

10. Rădulescu Gh., **Şipoş Anca**, Szabo S., Şipoş V., Moise Maria Ioana; Szentgiorgy P.; Membrane schimbătoare de ioni (Ions exchange membranes); a 15-a Sesiune de Comunicări Ştiinţifice Călimăneşti (The 15th Scientifical Simposium from Călimăneşti); October **1989**.

F) Romanian Patents

1. Şipoş Anca, Asandei N., Rădulescu Gh.; Procedeu de obţinere a unor membrane eterogene schimbătoare de ioni, rezistente la temperaturi ridicate şi la agenţi chimici (*Procedure to obtain the heterogeneous ions membranes, resistant at high temperature and chemical agent*); Patent no. 11944 from **2004**.

2. Şipoş Anca, Şipoş V., Şipoş Sora; Produs dentar bicomponent pigmentat (*Dentar product bicomponent pigmented);* OSIM *(State Office for Inventions and Marks (Made))* folder with no. 92-200294; **1992**; analysed and juridical passed.

3. Rădulescu Gh., **Şipoş Anca**, Szabo S., Şipoş V., Moise Maria Ioana; Szentgiorgy P.; Procedeu de obţinere a membranelor schimbătoare de ioni (*Procedure to obtain the ions exchange membranes*); Patent no. 100447 from **1989**.

G) National/international research projects

1. Member in the advisory group of the Social Dialogue Project: e-Speed – European Social Partners in Education Embracing Digitalisation (budget heading VP/2019/001/0018) (01/12/2019 – 30/11/2021) ETUCE, Brussels.

2. Member in a taskforce 2016, ETUCE, Brussels, Taskforce to Develop a Policy on the 21st Century Teaching Profession and the Use of Information and Communication Technologies (ICT), https://www.csee-etuce.org/en/policy-issues/innovation-and-education

3. National Projects II – Capacities, no. 100CP/I 2007-2009: Food Safety Control prin dezvoltarea unui sistem integrat de modelare, simulare şi conducere avansată a bioproceselor fermentative din industria alimentară (Food Safety Control by developing an integrate system by modeling, simulation and advance control of fermentation processes from food industry); value 2.000.000 RON (571.428 Euro); *project director*.

4. Biotech grant no.135 2006-2008: Tehnologii moderne neconvenţionale, conforme cu reglementările europene, de epurare a apelor uzate şi de tratare a namolului rezidual în scopul reutilizării acestuia (Non-conventional modern technologies, pursuant with European regulations, for waste watery purge and treatment of waste mud in order to re-use it); value 1.000.000 RON (285.714 Euro); *member*.

5. CNCSIS (National Council of Scientifically Research from Academic Education) grant 2005-2006: Trasabilitatea alimentului - proiect virtual de monitorizare si conducere a fluxului tehnologic în vederea obţinerii alimentului de calitate (Food traceability – virtual project of surveillance and control of technological chains in order to obtain the aliment 's quality); 2 commission, CNCSIS code 751,GR 172/19.05.2006; value 158.500 thousands lei (4.528 Euro) and 11.050 RON (3.157 Euro); *project director*.

6. CNCSIS grant 2005-2006: Biosenzori enzimatici utilizaţi pentru monitorizarea parametrilor calitativi în vinificaţie – modele reale şi virtuale (Enzymatic biosensors used for surveillance the wine quality – real and virtual models); 5 commission; CNCSIS code 746; value 178.000 thousands lei (5.086 Euro) and 17.200 RON (4.914 Euro); *member*.

7. CNCSIS grant 2002-2003: Modele matematice şi programe de simulare a biochimiei formării produşilor principali şi secundari în procesele fermentative. Obţinerea şi aplicaţii ale drojdiilor imobilizate. (Mathematical modeling and simulation programmes of biochemical main and secondary products formed in fermentation processes. Obtaining and applications of immobilised yeasts.), Topic no. 4, CNCSIS code 297 and 367, 20.000 thousands lei and 18.000 thousands lei; *member*.

8. Strategii de eficientizarea activităţilor de cercetare specifice sistemelor de producţie integrată în domeniul tehnologiilor cu aplicaţii directe în învăţământul tehnic şi economic din România (The strategies of research activities streamlining specifically to integrated production from technologies domain with direct applications in technical and economical education from

Romania); Contract no. 36678/24.07.2000; Topic no. 3; CNCSIS code 873; value 45 million lei; *member*.